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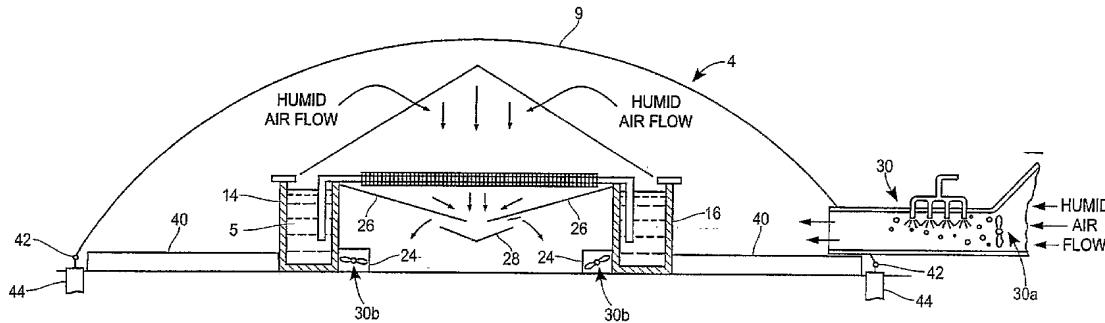
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(54) Title: A WATER PRODUCTION SYSTEM FOR MAKING POTABLE WATER



(57) Abstract: A water production system (1) for making potable water (7) in an environment of humid tropical air (6) and cold deep ocean water (8) comprising a heat exchanger (2), means for controlling (3) the volume of the deep ocean water (2) passing through the heat exchanger (2) based on the amount of heat absorbed by the heat exchanger (2) in the process of condensing water vapor (7a) from the humid air (6), and means for enhancing (4) the rate of at which water vapor (7a) is condensed including a positive air pressure dome (9) system for enhancing the humidity, condensation rate, and water quality, and a continuous coil (2a) disposed in the flow of humid air (6) to condense additional potable water (7), and means for vibrating (38) elements of the system to increase condensation.

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